



# *trackmaster*<sup>®</sup>

Everolimus Eluting Coronary Stent System



Trackability

**Generated Through AI**

CE<sub>1434</sub>

## Ordering Information

STENT DIAMETER	LENGTH											OVER EXPANSION DATA
	8 mm	13 mm	16 mm	20 mm	24 mm	28 mm	32 mm	36 mm	40 mm	43 mm	47 mm	
2.0 mm	TR20008	TR20013	TR20016	TR20020	TR20024	TR20028	TR20032	TR20036	TR20040	TR20043	TR20047	3.5 mm
2.25 mm	TR22508	TR22513	TR22516	TR22520	TR22524	TR22528	TR22532	TR22536	TR22540	TR22543	TR22547	3.5 mm
2.5 mm	TR25008	TR25013	TR25016	TR25020	TR25024	TR25028	TR25032	TR25036	TR25040	TR25043	TR25047	3.5 mm
2.75 mm	TR27508	TR27513	TR27516	TR27520	TR27524	TR27528	TR27532	TR27536	TR27540	TR27543	TR27547	4.5 mm
3.0 mm	TR30008	TR30013	TR30016	TR30020	TR30024	TR30028	TR30032	TR30036	TR30040	TR30043	TR30047	4.5 mm
3.5 mm	TR35008	TR35013	TR35016	TR35020	TR35024	TR35028	TR35032	TR35036	TR35040	TR35043	TR35047	4.5 mm
4.0 mm	TR40008	TR40013	TR40016	TR40020	TR40024	TR40028	TR40032	TR40036	TR40040	TR40043	TR40047	5.5 mm
4.5 mm	TR45008	TR45013	TR45016	TR45020	TR45024	TR45028	TR45032	TR45036	TR45040	TR45043	TR45047	5.5 mm

## Stent Specification

STENT SPECIFICATION	
Design	Open cell with unique alternate LDS link
Material	L-605 Cobalt Chromium
Drug	Everolimus
Drug Dose	1.2 µm m <sup>2</sup>
Polymer	Biogredable and Biocompatible
Strut Thickness	65 µ
Diameter (mm)	2,2.25,2.5,2.75,3,3.5,4 & 4.5
Length (mm)	8,13,16,20,24,28,32,36,40,43 & 47
Recoil	≤ 5%
Delivery System	Rapid Exchange
Tip Entry Profile (mm)	0.016"
Crossing Profile (mm)	0.038" (3x20mm)
Guide Catheter Compatibility	5 F
Guidewire Compatibility	0.014"
Nominal Pressure	9 atm
Rated Burst Pressure	16 atm
Shaft Length	145 cm
Ballon Overhang	≤0.5 mm
Proximal Shaft Diameter†	2.13 F
Distal Shaft Diameter†	2.7 F

\* Tests performed and data on file at Kamal Encon Industries Limited

† Refer IFU chart for more details



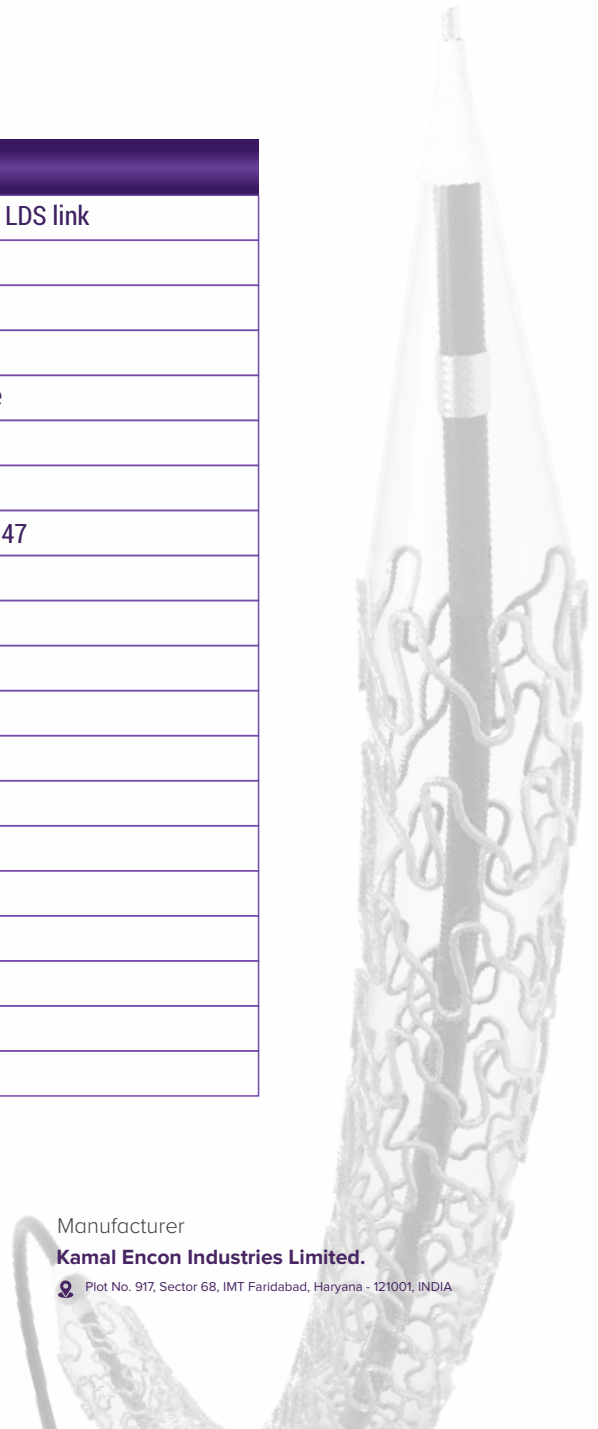
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Manufacturer

**Kamal Encon Industries Limited.**

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# Our Core Business Introduction

Kamal Encon Industries was established in 1980 to serve the cause of environment through energy conservation concepts, services and products. Kamal enabled significant shrinkage in the Carbon Foot Print of major energy consumers such as Oil Refineries, Petro Chemical, Fertilizer, Power Plants and varied Industries. Kamal continues to have a global presence in this sector with one of the most qualified & approved supplier of the selected few products on a worldwide basis. With consistent dependable quality and continuous functional enhancements through innovation. Kamal is partner of choice for global majors like DUQM refinery Oman, Lukoil Russia, Socar refinery Azerbaijan, Sweeney USA, AL Zour Kuwait etc.

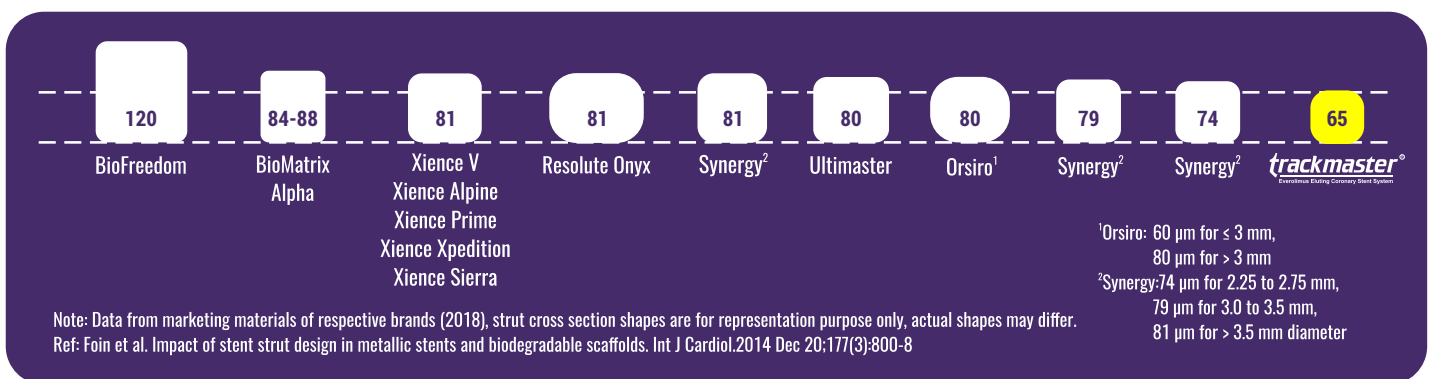
Kamal's healthcare vertical was founded in 2017, in pursuit of "Better Life for All" as the next logical step to further push the agenda. What motivated Kamal to diversify into the domain of Healthcare was its commitment to providing affordable cutting-edge healthcare solutions to all. We at Kamal have been extremely passionate about living up to the highest quality standards.



**El Cura** is a Medical Division  
of Kamal Encon

## Introducing the Trackmaster<sup>®</sup> Everolimus Eluting Stent system with ultra thin struts and bioabsorbable polymer.

Trackmaster<sup>®</sup> is a unique stent which has been designed using artificial intelligence to get the most flexible and deliverable design. It has ultrathin struts of 65 microns with an alternate **long dual S link** which improves flexibility of the stent, transmits push force with higher efficiency, improve overall radial strength and resists longitudinal compression.



## Unique blend of hydrophilic-hydrophobic biodegradable polymers to elute Everolimus drug (Bi-Phasic Release)

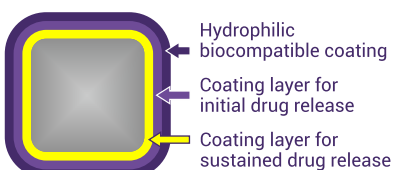
### Blend of biodegradable polymers

PLLA: Poly-L-lactide  
Hydrophobic

PLCL: Poly L-Lactide-co-Caprolactone  
Hydrophobic

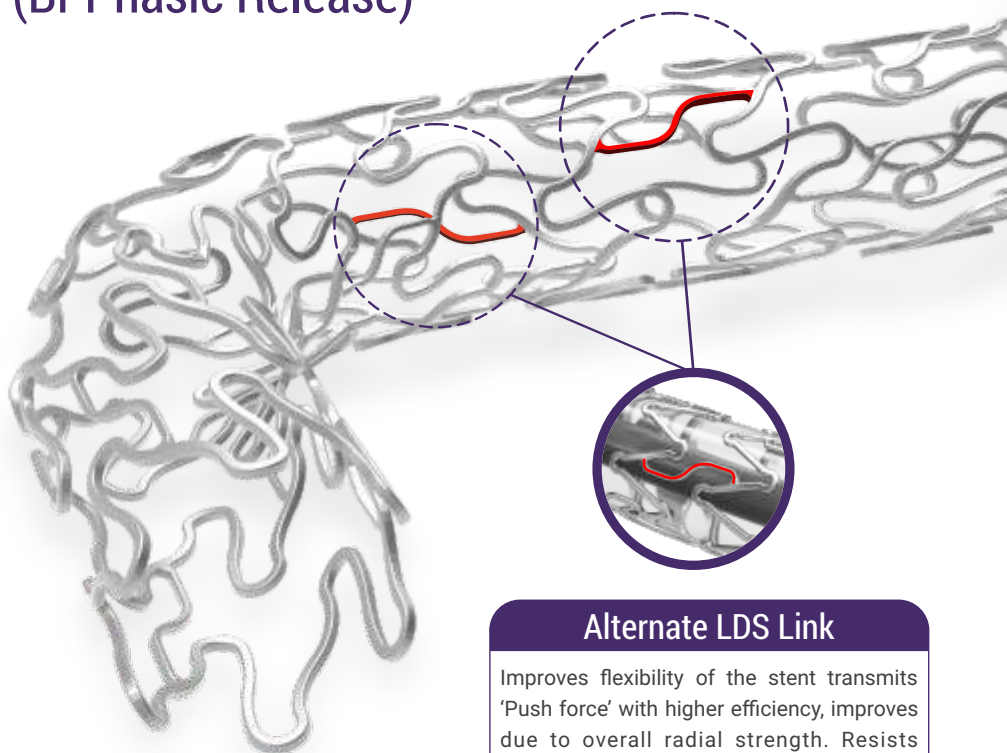
PVP: Polyvinyl pyrrolidone  
Hydrophilic

### Strut cross section



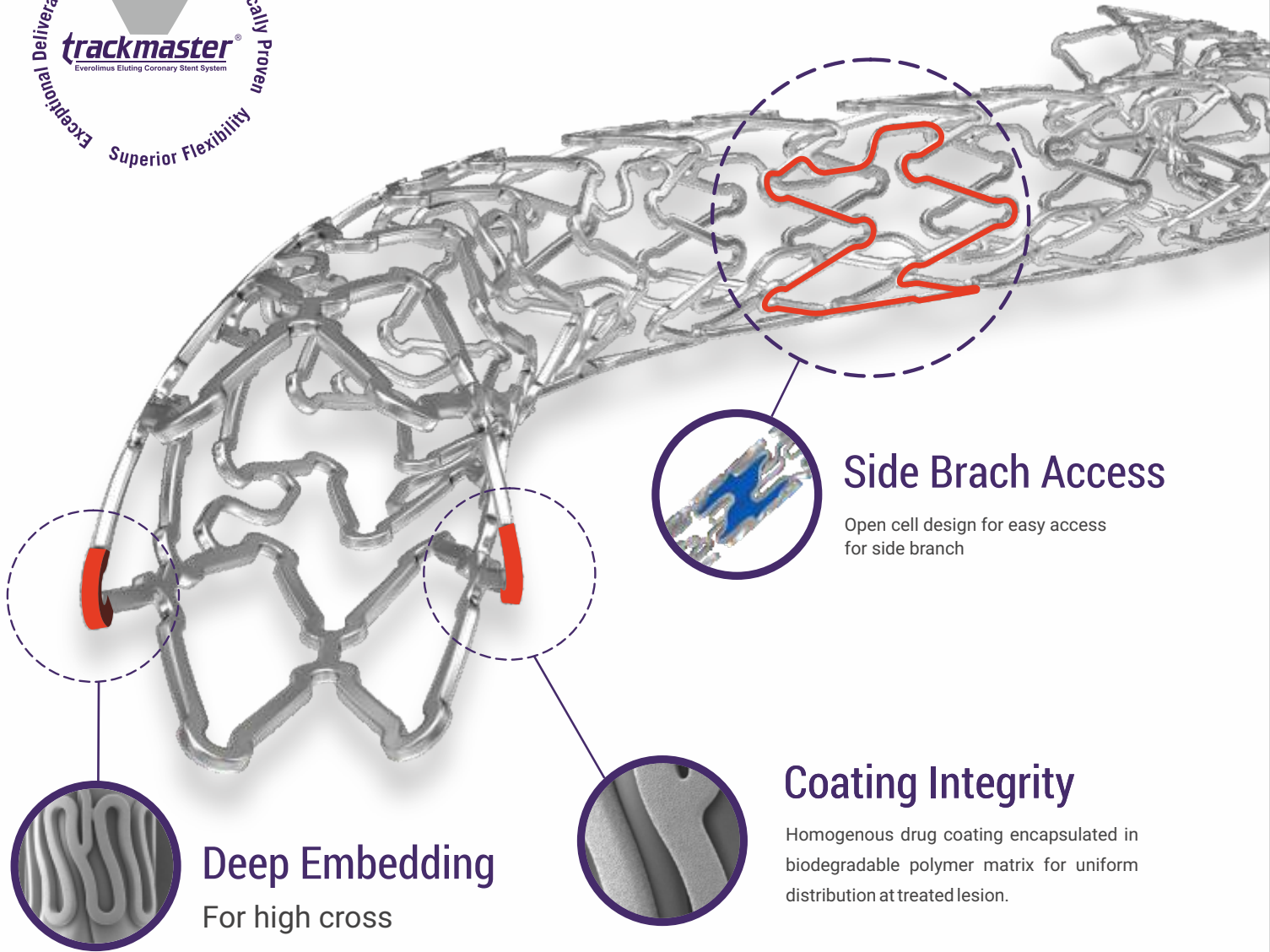
Three layers

Polymer thickness 3-5µm



### Alternate LDS Link

Improves flexibility of the stent transmits 'Push force' with higher efficiency, improves due to overall radial strength. Resists longitudinal compression **LDS Link**= Long Dual '**S**' Link



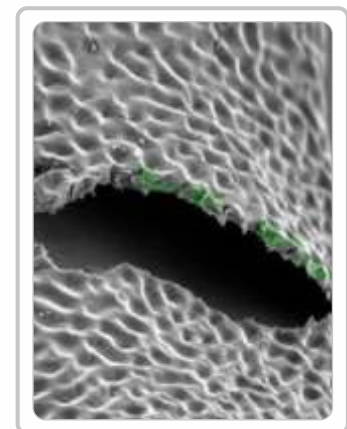
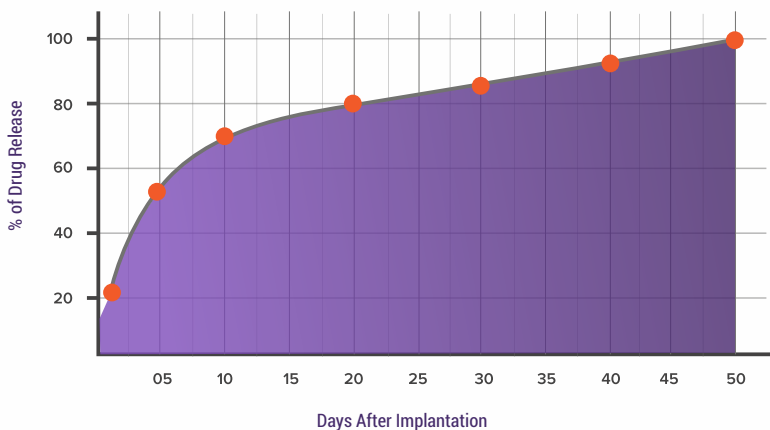
**Deep Embedding**  
For high cross

**Side Branch Access**

Open cell design for easy access for side branch

**Coating Integrity**

Homogenous drug coating encapsulated in biodegradable polymer matrix for uniform distribution at treated lesion.

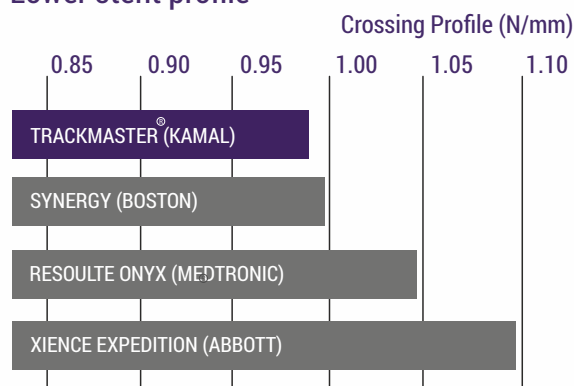


Trackmaster® has proven drug release kinetics. Initial burst of Trackmaster® followed by sustained release up to 50 Days. Biodegradable polymers completely degrade by hydrolysis & enzymatic degradation which is eventually excreted from body in form of  $\text{CO}_2$  and  $\text{H}_2\text{O}$ .

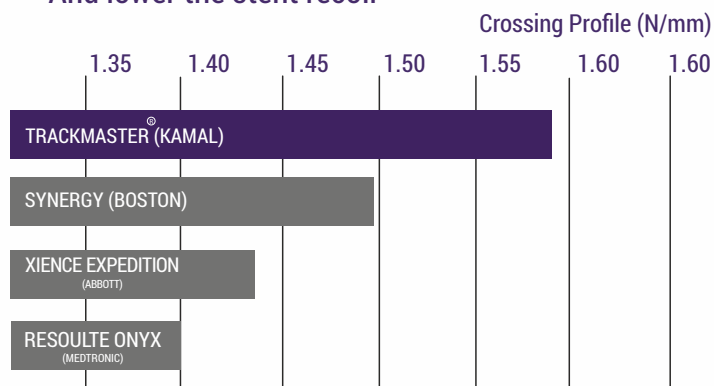
A very fine drug-polymer thickness of 3-5µm reduces tissue polymer contact which eventually resulted into fast remodelling of artery.

Proprietary blend of Everolimus drug & Biodegradable polymers provides the initial burst release, following to 80% within 30 days and remaining 20% programmed to get released for 60 days. Release kinetics was designed to enhance the arterial healing process.

Flexibility like never before with  
Lower stent profile



Higher the radial strength, stronger the stent  
And lower the stent recoil



## Key features and benefits for an ideal stent

Ultra thin struts 65 $\mu$	<i>Lower inflammation, faster endothelisation and reduces the risk of stent thrombosis</i>
Biodegradable Polymer	<i>Offers improved vessel healing, long term safety in terms of death, stent thrombosis and myocardial infarction.</i>
Everolimus drug	<i>Time tested and proven drug</i>
Negligible foreshortening	<i>Ideal for ostial and bifurcation lesions</i>
Open cell with alternate long dual S link	<i>Ideal for side branch access and improves flexibility</i>
AI derived stent design	<i>Designed to improve trackability and flexibility of the stent leading to first choice of stent in CHIP cases.</i>
Higher tensile strength	<i>Attributes to kink resistance and flexible performance of SDS</i>
Uniform stent design	<i>Leads to unidirectional stent expansion reducing chances of vessel injury</i>
Wide size matrix (2-4.5 and 8-47 mm)	<i>Offers ideal size for real life cases.</i>
Wavy strut pattern	<i>Contributes to larger angle during expansion eventually leading to better stent flexibility</i>
Ideal overexpansion limits	<i>Leads to treat complex cases with anatomical anomalies.</i>
Ultr low tip profile	<i>Gives resistance free trackability and crossability</i>
Platinum iridium markers	<i>Precisely placed within balloon cones for accurate stent positioning &amp; placement</i>
Low recoil	<i>Avoids the risk of malposition and restenosis</i>